

**ABSTRACT OF THE DISCLOSURE**

A compression plate for a mammography device has four sides and a base, and a bracket attached at one of the sides for moveably mounting the compression plate to an arm, to which an x-ray source also is mounted.

To allow both large and small breasts to be imaged in various exposures, including horizontal exposures, with the breast centered on the subject table between the table and the plate, and to allow tissues outside of the compressed breast also to be imaged, the sides of the plate that terminate on the side attached to the bracket are fashioned such that at least a part of their widths is slanted inwardly in the direction of the base of the plate, preferably along the entire lengths of the sides.

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